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AMENDMENTS TO THE SPECIFICATION

On page 1, immediately after the title, please insert the following:

**CROSS REFERENCE TO RELATED APPLICATIONS**

This application is a divisional application of U.S. Application No. 09/457,699 which was filed on December 9, 1999, now U.S. Patent No. 6,374,135; which was a continuation of U.S. Application No. 09/243,804, which was filed on February 3, 1999, which is now U.S. Patent No. 6,076,008; which was a continuation of U.S. Application No. 08/477,561, which was filed on June 7, 1995, which is now U.S. Patent No. 5,891,034; which was a continuation of U.S. Application No. 08/053,076, which was filed on April 26, 1993, which is now abandoned; which was a continuation-in-part of U.S. Application No. 07/909,097, which was filed on July 2, 1992, which is now U.S. Patent No. 5,383,454 and which was a continuation-in-part of U.S. Application No. 07/858,980, which was filed on May 15, 1992, which is now abandoned. U.S. Application No. 07/909,097 was a continuation of U.S. Application No. 07/600,753, which was filed on October 19, 1990, which is now abandoned. U.S. Application No. 07/858,980, was a continuation-in-part of PCT Application No. US91/07745, which was filed on October 17, 1991; which was a continuation-in-part of U.S. Application No. 07/600,753, which was filed on October 19, 1990, which is now abandoned.

On page 51, please amend the abstract as follows:

A system for ~~determining~~ indicating a position of a probe relative to within an object such as a head of a body of a patient. ~~The head includes a surface such as a forehead having a contour. Cross sectional images of the head are scanned and stored as a function of the forehead contour. If the forehead contour does not appear in the scan images, then the position of the forehead contour relative to the scan images is determined with an optical scanner and a ring. During surgery, the optical scanner also determines the position of the forehead relative to the ring. An array for receiving radiation emitted from the probe and from the ring generates signals indicating the position of the tip of the probe relative to the ring. A stereotactic imaging system~~

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~~generates and displays an image of the head corresponding to the measured position of the tip of the probe. The system may also display scan images from different scanning technologies which scan images correspond to the same position in the head. Means~~  
determines the position of a tip of a probe relative to reference means. Means measures the position of reference points means of the object relative to the reference means. The determined position is translated into an image coordinate system and an image of the object is displayed.